

Converting Colors

$Yxy(56.5210, 0.2668, 0.3037)$

Have a look what the booklet for
Yxy(56.5210, 0.2668, 0.3037)
contains.

Yxy(56.4227, 0.2665, 0.3028)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.4227, 0.2665, 0.3028)

Conversions

Conversions Part 1

Format	Color
Hex	9ECDE2
RGB	158, 205, 226
RGB Percent	62%, 80%, 89%
CMY	0.3805, 0.1961, 0.1136
CMYK	0.30, 0.09, 0.00, 0.11
HSL	199°, 54%, 75%
HSV	199°, 30%, 89%
XYZ	49.6587, 56.4227, 80.2551
YIQ	193.3410, -34.7530, -3.4330

Conversions

Conversions Part 2

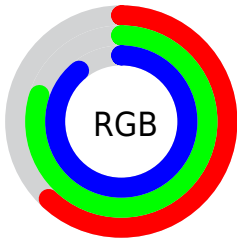
Format	Color
R _{YB}	158, 186, 226
Decimal	10407394
CIE _{Lab}	79.85, -10.46, -15.40
CIE _{LCh}	80, 18.612, 235.820
Y _{xy}	56.4227, 0.2665, 0.3028
Android (android.graphics.Color)	4288597474 (0xFF9ECDE2)
YUV	193.3410, 16.1009, -30.9941
Hunter-Lab	75.1150, -13.4447, -10.7667

Details

The Yxy color **56.4227, 0.2665, 0.3028** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.8850, 0.3730, 0.3537**, and the grayscale version is **53.4568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **28.0165, 0.2545, 0.2955** is the 20% darker color. If you saturate the color by 10%, you get **51.0724, 0.2519, 0.2925**, and if you desaturate by 10%, it is **62.3482, 0.2817, 0.3123**.

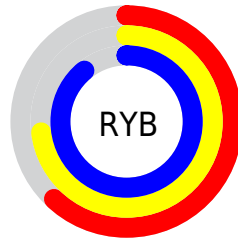
Distribution



Red (62%)

Green (80%)

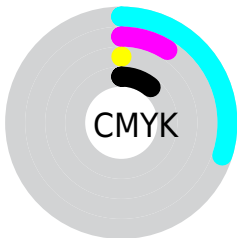
Blue (89%)



Red (62%)

Yellow (73%)

Blue (89%)

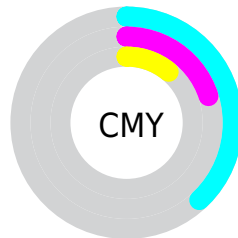


Cyan (30%)

Magenta (9%)

Yellow (0%)

Black (11%)



Cyan (38%)

Magenta (20%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.4227, 0.2665, 0.3028 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 56.4227, 0.2665, 0.3028 by changing the saturation by 10% instead.

■ 56.4227, 0.2665,
0.3028

■ 56.4227, 0.2665,
0.3028

■ 411.2825, 0.2885,
0.3157

■ 40.5419, 0.2613,
0.2996

■ 99.6223, 0.2742,
0.3075

■ 27.9613, 0.2549,
0.2956

■ 127.7100, 0.2772,
0.3092

■ 18.2965, 0.2466,
0.2904

■ 160.6354, 0.2798,
0.3107

■ 11.1631, 0.2356,
0.2832

■ 198.7830, 0.2820,
0.3120

■ 6.1766, 0.2204,
0.2729

■ 242.5371, 0.2839,
0.3131

■ 2.9528, 0.1979,
0.2569

■ 292.2821, 0.2856,

■ 1.1071, 0.1620,

0.3141

0.2295

348.4025, 0.2871,
0.3150

0.0000, 0.0000,
0.0000

56.4227, 0.2665,
0.3028

56.4227, 0.2665,
0.3028

51.0724, 0.2519,
0.2925

62.3482, 0.2817,
0.3123

46.2655, 0.2383,
0.2816

68.8655, 0.2971,
0.3210

41.9770, 0.2261,
0.2702

75.9987, 0.3125,
0.3289

38.1766, 0.2155,
0.2585

83.7681, 0.3277,
0.3360

34.8298, 0.2068,
0.2467

89.0337, 0.3315,
0.3427

■ 31.8963, 0.2002,
0.2349

■ 93.2244, 0.3307,
0.3495

■ 29.3348, 0.1954,
0.2234

■ 97.5752, 0.3299,
0.3561

■ 98.2734, 0.3297,
0.3571

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.4227, 0.2711, 0.3229



56.4227, 0.2665, 0.3028



56.4227, 0.2736, 0.2907

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



56.4227, 0.2665, 0.3028



56.4227, 0.3389, 0.3125



56.4227, 0.3335, 0.3723

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



56.4227, 0.2665, 0.3028



50.8850, 0.3730, 0.3537

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



56.4227, 0.3527, 0.3674



56.4227, 0.2665, 0.3028



56.4227, 0.3561, 0.3325

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.4227, 0.2665, 0.3028



56.4227, 0.3148, 0.2968



56.4227, 0.3612, 0.3526



56.4227, 0.3092, 0.3646

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.4227, 0.2665, 0.3028



56.4227, 0.2843, 0.2883



56.4227, 0.3612, 0.3526



56.4227, 0.3408, 0.3721

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



56.4249, 0.2665, 0.3028



91.4625, 0.2987, 0.3219



64.9121, 0.2965, 0.3898



19.2948, 0.2965, 0.3207



0.0000, 0.0000, 0.0000



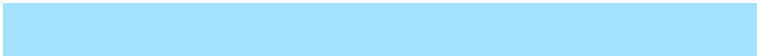
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.4249, 0.2665, 0.3028



69.7648, 0.2575, 0.2966



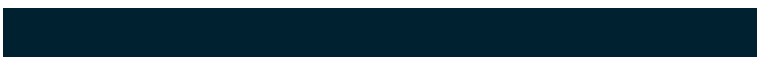
42.1054, 0.2616, 0.2591



14.8202, 0.2982, 0.3216



16.9484, 0.1959, 0.2253



1.3316, 0.2009, 0.2432

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



45.0264, 0.3346, 0.2759



53.0512, 0.3404, 0.2649



65.9446, 0.3622, 0.3903



13.8597, 0.3185, 0.3129



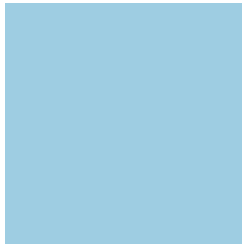
10.6190, 0.4176, 0.2074



0.7519, 0.3991, 0.1972

Previews

White Background



This preview shows how the Yxy color 56.4227, 0.2665, 0.3028 looks on a white background.

Color Contrast Check

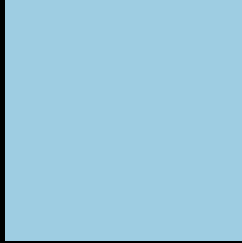
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 56.4227, 0.2665, 0.3028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

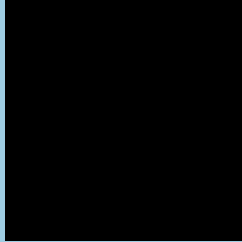
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.4227, 0.2665, 0.3028

Background



This preview shows how black text looks on a background with the Yxy color 56.4227, 0.2665, 0.3028.



This preview shows how white text looks on a background with the Yxy color 56.4227, 0.2665, 0.3028.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

56.4227, 0.2665, 0.3028

Protanopia

56.1165, 0.2941, 0.3006

Deuteranopia

56.3536, 0.2939, 0.2877



Tritanopia

56.5846, 0.2684, 0.3089

Trichromacy



Original Color

56.4227, 0.2665, 0.3028

Protanomaly

55.9445, 0.2835, 0.3012

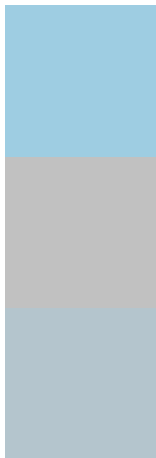
Deuteranomaly

55.9730, 0.2831, 0.2922

Tritanomaly

56.6384, 0.2678, 0.3077

Monochromacy



Original Color

56.4227, 0.2665, 0.3028

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

54.0436, 0.2940, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4227, 0.2665, 0.3028 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(158, 205, 226)` looks like.

```
.text, #text, p{  
    color:rgb(158, 205, 226)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(158, 205, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 205, 226) }
```

Border

The CSS property to change the border of an element to Yxy 56.4227, 0.2665, 0.3028 is called "border". The border property can be set on classes, ids or directly on the HTML element.

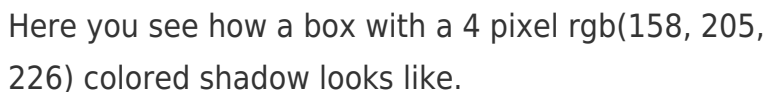
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 205, 226) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(158, 205, 226) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(158, 205, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 205, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 205, 226);  
box-shadow:4px 4px 4px 4px rgb(158, 205,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4227, 0.2665, 0.3028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 205, 226) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(158,  
205, 226) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor